

SECRET

2030Z 13 FEB 64

TO DIRECTOR

25X1A

25X1A

FROM

ACTION: OSA 1-15

INFO :

25X1A

25X1A

TOR/ 0021Z 14 FEB 64

TO

INFO

CITE

1670

OXCART

1. STATUS REPORT 59
  2. TYPE 1A CONFIGURATION
    - A. NO ADDITIONAL TESTS OF THIS UNIT SINCE LAST REPORT.
    - B. FIRST OPTICAL QUALITY, VACUUM WINDOW (1A-1)
- RETAINED AT PLANT AWAITING SHIPPING INSTRUCTIONS FROM  
 [ ] REFERENCE [ ] TWX 1631.

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C. SECOND OPTICAL QUALITY, VACUUM WINDOW (1A-2)  
 HAS BEEN SUCCESSFULLY WELDED AND ANNEALED. THIS UNIT  
 IS NOW IN FINAL ASSEMBLY PRIOR TO OUTGASSING.

## 3. TYPE 1B CONFIGURATION

- A. ONE ADDITIONAL TEST OF THIS UNIT WAS ATTEMPTED,  
 ATF 43B, BUT UNIT WAS NOT TURNED ON OWING TO EXCESSIVE  
 CLOUD COVER OVER TARGET AREA.
- B. [ ] DISPATCHED TO [ ] 10 FEBRUARY  
 1964 TO ASSIST IN IMPROVING STABILIZATION CHARACTER-  
 ISTICS, EXCESSIVE ROLL OSCILLATIONS EXPERIENCE, OF THIS  
 UNIT.

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GROUP 1  
Excluded from automatic  
downgrading and  
declassification

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[ ] 1070 IN 62051

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3. FIRST OF TWO OPTICAL QUALITY VACUUM WINDOWS (1E-1) FOR TYPE 1B CONFIGURATION HAS BEEN SUCCESSFULLY WELDED.

4. TYPE 1C CONFIGURATION

A. FORWARD OPTICAL BENCH COMPLETED, SINE WAVE TESTED, AND GIVEN TO ASSEMBLY GROUP FOR FINAL ASSEMBLY INTO SYSTEM.

B. AFT OPTICAL BENCH TEST PERFORMANCE HAS NOT YET BEEN CONSIDERED SATISFACTORY.

C. PERFORMANCE ON AXIS OF THIS BENCH IS EXCELLENT BUT DIMINISHES ACROSS THE FIELD. EXTENSIVE EFFORT HAS BEEN DEVOTED TO CORRECTING THIS PROBLEM BY REPEATED RE-ALIGNMENT OF THE ELEMENTS, AND RE-TESTING.

D. TWO EXTENSIONS OF THE SCHEDULE FOR CONTINUED ADJUSTMENT AND CORRECTION OF THESE OPTICS HAVE BEEN COORDINATED WITH [ ] SINCE TOTAL SYSTEM DELIVERY DATE IS IMMEDIATELY AFFECTED IN EACH CASE.

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E. PRESENT SCHEDULE CALLS FOR ONE ADDITIONAL WEEK OF ADJUSTMENT AND TEST OF THE AFT BENCH PRIOR TO RE-EVALUATION AND REPORT OF PERFORMANCE ATTAINED.

F. ASSUMING THE FINAL ASSEMBLY CAN PROCEED SUBSEQUENT TO THE ABOVE ACTIVITY, 1C SYSTEM SHOULD BE READY FOR SHIPMENT TO [ ] ON 27 MARCH 1964

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5. TYPE 1D CONFIGURATION

A. SYSTEM IS IN FINAL ASSEMBLY AND FILM HAS BEEN RUN THROUGH FILM TRANSPORT NETWORK.

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[ ] 1070 IN 62651

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B. PRELIMINARY STABILIZATION TESTS WHICH WERE SCHEDULED TO BEGIN 21 FEBRUARY WILL BE DELAYED OWING TO FAILURE OF VENDOR -- NORDEN-- TO DELIVER GYRO PACKAGES ON SCHEDULE. THIS DELAY BEING INVESTIGATED WITH VENDOR.

C. ASSEMBLY OF GLASS HAS BEGUN ON D OPTICAL BENCHES. IN SPITE OF APPLICATION OF ADDITIONAL MANPOWER, SOME DELAYS HAVE BEEN ENCOUNTERED OWING TO CONCENTRATION OF EFFORT ON C OPTICAL PERFORMANCE.

D. ESTIMATE OF DELIVERY SLIPPAGE ON THIS UNIT IS EIGHT WEEKS.

6. TYPE 1E CONFIGURATION

A. FINAL ASSEMBLY BEGUN IN CLEAN ROOM.

B. FILM TRANSPORT ASSEMBLIES ARE IN PROCESS OF BEING INSTALLED.

C. E OPTICAL ELEMENTS UNDERGOING FINAL FIGURING IN OPTICAL SHOP TUNNEL PRIOR TO SINE WAVE TESTING.

7. TYPE 1F CONFIGURATION.

A. PLATFORM, UPPER FRAME, AND BRIDGE RECEIVED FROM BUDD COMPANY ON SCHEDULE.

B. AIR BARS ARE BEING INSTALLED IN FILM TRANSPORT SUB ASSEMBLIES.

C. PLATFORM CABLE APPROXIMATELY 35 PERCENT COMPLETE.

D. F OPTICS IN FINAL GRINDING IN OPTICAL SHOP.

8. GENERAL.

A. SUPPLIERS MEETING ON WEST COAST ATTENDED ON 30 JANUARY 1964.

END OF MESSAGE

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